

The schematic diagram illustrates a complex gas turbine engine system. Key components include:

- Compressor (3)**: A central component receiving input from the inlet (1) and the bypass flow (26). It drives the main compressor (4) and the fuel pump (21).
- Turbine (8)**: Receives input from the combustor (7) and drives the compressor (3) and the generator (30).
- Bypass Flow (26)**: A portion of the compressed air (2) is diverted through a bypass duct (26) to the combustor (7), bypassing the main compressor.
- Fuel System**: Includes a fuel tank (27), fuel pump (21), and fuel control unit (25) which regulates fuel flow to the combustor (7).
- Auxiliary Systems**: Various auxiliary components are shown, including a starter/generator (1), a generator (30), a fuel filter (29), a water separator (32), and a fuel heater (33).

The diagram shows the flow of air, fuel, and mechanical power throughout the engine system, highlighting the integration of different subsystems.

2/2

Fig. 2

